



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY  
**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

**RECEIVED**

REPORT #7

By Carol Day at 11:52 am, Dec 30, 2014

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and whenever instrument is repaired. Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN 030791	PRINTER SN 84.9324.152	DATE OF INSPECTION 12/17/2014
LOCATION OF INSTRUMENT (STREET AND CITY) Hazelwood PD BAT VAN		TIME OF INSPECTION 11:10 am

**CHECKLIST:** Place a mark in the box by each item if found to be satisfactory or if operating within established limits. (Write in observed values where determined.) Unmarked items must be corrected before using instrument.

☒ DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)

☒ TEMPERATURE OF ALCO SENSOR (10°C - 40°C)

☒ PRINTER WORKING PROPERLY

☒ TIME AND DATE DISPLAYING PROPERLY

**BREATH ALCOHOL ACCURACY STANDARDS**

☒ SIMULATOR SOLUTION ☐ COMPRESSED ETHANOL-GAS MIXTURE

☒ STANDARD SUPPLIER Guth Laboratories Inc. LOT # 13280 EXP. DATE 10/16/2015

☒ SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD2742 SIMULATOR EXP DATE 11/20/2015

☒ CALIBRATION CHECK - (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)

Run three tests using a standard solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED)

- ☒ 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE  
☐ 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE  
☐ 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 → .098

TEST 2 → .098

TEST 3 → .097

☒ RFI DETECTOR OPERATING

INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT:  
(DO NOT INCLUDE SELF-ADMINISTERED TESTS)

REFUSALS	0	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	0
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List any new parts and describe any alteration or modification that was made to restore the instrument to operate satisfactorily and within established limits (use other side if necessary).

Simulator solution bottle number #1291.

**INSPECTING OFFICER**

SIGNATURE

PRINT NAME  
Anthony T. Kristo

TYPE A PERMIT NUMBER/EXPIRATION  
230269, 11-26-2015

TELEPHONE NUMBER  
(314) 838-5000

Return completed report to: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office



**GUTH LABORATORIES, INC.**

880 NORTH 87th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-684-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 13280 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on October 18, 2013, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1217% (w/vol) ethyl alcohol. The expiration date for this lot number is October 16, 2015 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 3%.

The alcohol and water used in this solution were free of test interfering substances.

Ted L. Pauley, President  
GUTH LABORATORIES, INC.

**NIST Traceability:**

Testing was conducted using Cerilliant Reference Standard lot number FN122211-02 whose values are traceable to NIST.

All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.

KS TO Serial  
Version no. 507

TEST SERIAL NO. 1007

Temp. Type 2192  
Date 12/17/94  
Calibration 21 12/97

Subsec. TEST

Subsec. N/A

KS TO 230269

Location Hazelwood BAT

Vehicle

KS TO Serial  
Version no. 507

TEST SERIAL NO. 1007

Temp. Type 2192  
Date 12/17/94  
Calibration 21 12/97

Subsec. TEST

Subsec. N/A

KS TO 230269

Location Hazelwood BAT

Vehicle

KS TO Serial  
Version no. 507

TEST SERIAL NO. 1007

Temp. Type 2192  
Date 12/17/94  
Calibration 21 12/97

Subsec. TEST

Subsec. N/A

KS TO 230269

Location Hazelwood BAT

Vehicle



## Simulator Calibration Report

This calibration report is to certify the alcohol reference simulator listed below has been examined and tested using standards traceable to the National Institute of Standards and Technology (NIST) in accordance with the standards set by the Missouri Department of Health and Senior Services Rules and Regulations:  
19 CSR 25-30.051 (4).

Checked: 11/20/2014 Expires: 11/20/2015  
MSC Tech: DRL  
Temp: 33.98 Digital Therm SN: 083767  
Agency: Hazelwood Police Department



Technician Printed Name: DAN Lucas

Technician Signature: [Signature]

Date: 11/20/2014

Contact: Missouri Safety Center

Breath-Alcohol Instrument Training Program

660-543-4834



STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM

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PERMIT  
TYPE II

ANTHONY T KRISTO

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

**DATAMASTER, INTOX EC/IR II, ALCO-SENSOR IV W/PRINTER**

for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 11/26/2013

NUMBER 230269

EXPIRES 11/26/2015

MQ 580-9771 (6-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

,acting director

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R6-10)

 STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM

**INSTRUMENT OPERATOR CARD**

*The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri*



Operator KRISTO, ANTHONY  
Permit No 230269  
Date Issued 11/26/2013 Date Expires 11/26/2015